

Title (en)

ADAPTIVE TILTING RADARS FOR EFFECTIVE VEHICLE CONTROLS

Title (de)

ADAPTIVE KIPPRADARGERÄTE FÜR EFFEKTIVE FAHRZEUGSTEUERUNGEN

Title (fr)

RADARS À INCLINAISON ADAPTATIVE POUR COMMANDES EFFECTIVES DE VÉHICULE

Publication

EP 4081433 A1 20221102 (EN)

Application

EP 20904877 A 20201223

Priority

- US 201916729106 A 20191227
- US 2020066805 W 20201223

Abstract (en)

[origin: US2021199758A1] In one embodiment, a method includes accessing sensor data generated by one or more sensors of the vehicle, determining that a first beam angle of a radar of the vehicle provides insufficient radar visibility of a current road condition according to one or more criteria based on the sensor data, determining an amount of adjustment needed to adjust the first beam angle of the radar, adjusting the first beam angle of the radar to a second beam angle based on the determined amount of adjustment, and detecting one or more objects based on the second beam angle of the radar.

IPC 8 full level

B60W 40/02 (2006.01); **B60R 21/0134** (2006.01); **B60W 40/076** (2012.01); **B60W 60/00** (2020.01); **G01S 13/931** (2020.01); **G05D 1/00** (2006.01); **G05D 1/02** (2020.01); **G06N 20/00** (2019.01)

CPC (source: EP US)

G01S 7/4026 (2013.01 - EP US); **G01S 7/403** (2021.05 - EP); **G01S 7/4034** (2021.05 - EP); **G01S 7/411** (2013.01 - EP); **G01S 13/86** (2013.01 - EP); **G01S 13/87** (2013.01 - EP); **G01S 13/931** (2013.01 - EP US); **G01S 7/403** (2021.05 - US); **G01S 7/4034** (2021.05 - US); **G01S 13/865** (2013.01 - EP); **G01S 13/867** (2013.01 - EP); **G01S 2013/93273** (2020.01 - EP US)

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

US 11360191 B2 20220614; **US 2021199758 A1 20210701**; CN 115052798 A 20220913; EP 4081433 A1 20221102; EP 4081433 A4 20240207; JP 2023508995 A 20230306; WO 2021133892 A1 20210701

DOCDB simple family (application)

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